#### DOCUMENT RESUME

ED 043 897 CG 005 864

AUTHOR Nihira, Kazuo

TITLE Person-Clusters in Two Dimensions of Adaptive

Behavior.

American Psychological Association, Washington, INSTITUTION

D.C.; California Univ., Los Angeles.

8 Sep 70 PUB DATE

NOTE 13p.; Paper presented at American Psychological

Association Convention, Miami Beach, Florida,

September 3-8, 1970

EDRS Price MF-\$0.25 HC-\$0.75 EDRS PRICE

DESCRIPTORS \*Adjustment (to Environment), Behavior, Behavior

Change, \*Behavior Standards, \*Mentally Handicapped,

\*Mental Retardation, Retardation, Social Development

#### ABSTRACT

The Adaptive Behavior Scale (ABS) is a behavior rating instrument designed to provide information about the way mentally retarded individuals maintain their personal independence in daily living and how they meet the social expectations of their environment. This study attempted to explore the existence of typology of retardates based upon their profile of scores on these two dimensions of adaptive behavior as measured by the ABS. Nine hundred and fifty-one retardates, ages 18-68, were rated by psychiatric aides in two midewestern state institutions. The BC TRY System of Cluster and Factor Analysis identified seven distinct sub-groups of individuals with similar score profiles on the two dimensions. A cross tabulation of individuals in terms of the American Association on Mental Deficiency etiological classifications and the seven sub-groupings was carried out. Conclusions indicated trends which suggest a possible relation between the behavioral typology and etiological classifications. More research is suggested and is viewed as possibly offering fruitful hypotheses in the formulation and evaluation of training and rehabilitation programs. (TL)



# **G** 005 86

### PERSON-CLUSTERS IN TWO DIMENSIONS OF ADAPTIVE BEHAVIOR

#### Kazuo Nihira Neuropsychiatric Institute UCLA

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION
THIS ODCUMENT HAS BEEN REPRODUCED
EXACTLY AS RECEIVED FROM THE PERSON OR
DRGANIZATION ORIGINATING IT. POINTS OF
VIEW OR OPINIONS STATED OD NOT NECESSARILY REPRESENT OFFICIAL DIFFICE OF EDUCATION POSITION OR POLICY.

In the past, mentally retarded individuals have been identified and classified primarily on the basis of their intelligence quotients.

While the I.Q. score has some value in assessing the academic potential of average or above average persons from middle class white communities, it does not provide a vivid description of the way the individual maintains his personal independence in daily living or how he meets the social expectations of his environment. Let me emphasize that the objective and vivid behavioral description of handicapped individuals is the very information most crucial for those in charge of training and rehabilitation. The Adaptive Behavior Scale is a behavior rating instrument designed to provide this type of information. The scale was developed as a result of a five-year research project under the sponsorship of the American Association on Mental Deficiency.

Part 1 of the scale was designed to provide assessments of the individual's skills and habits in ten behavior domains of personal independence (see handout for a summary description of the scale).

Part 2 of the scale consisted of 13 behavior domains of maladaptive behavior in the areas of personality and behavior disorders.



#### EXAMPLE 1

EATING IN PUBLIC: Select the one statement that best describes the child's use of table utencils.

- 6 Uses knife and fork correctly and neatly
- 5 Uses table knife for cutting or spreading
- 4 Feeds self with spoon and fork neatly
- 3 Feeds self with spoon and fork considerable spilling
- 2 Feeds self with spoon neatly
- 1 Feeds self with spoon considerable spilling
- Feeds self with fingers or not at all

#### EXAMPLE 2

TABLE MANNERS ARE COMPLETELY ACCEPTABLE:

Check "Yes" or "No". If "No", select all statements that apply.

- a. Swallows food without chewing
- b. Chews food with mouth open
- c. Drops food on table or floor
- d. Does not use napkins correctly
- e. Other



In some questions, the raters are asked to designate whether the given behavior is observed not at all, occasionally, or frequently.

I have reported in previous publications the results of a series of factor analyses of the domain scores. Two salient dimensions have emerged repeatedly in four separate factor analyses using a population of institutionalized retardates of various age ranges.

The first dimension, Personal Independence, was defined by primarily, the ten domains in Part 1 of the Adaptive Behavior Scale.

These domains represent the individual skills and abilities required to maintain personal independence. Some of the Part 1 domains suggest the presence of autonomy or motivation to manage his personal affairs.

This dimension has some resemblance to the traditional notion of social competency in the Vineland Social Maturity Scale.

The second dimension, Social Maladaptation, is defined by some of the behavior domains in Part 2 which refer to extra-punitive, anti-social behavior problems.

The present study attempts to explore the existence of typology of retardates based upon their profile of scores on these two dimensions of adaptive behavior. It also investigates the relationship between the behavior typology and etiological classification.

#### Subject:

The subjects were 951 retardates comprising most of the residential population, ages 18 to 68 years in two midwestern state institutions for mentally retarded. The subjects were rated by day-shift psychiatric



aides assigned to the patients ward or cottage. The subject's I.Q.s included the entire range of mental retardation, although moderate, severe and profound levels were heavily represented.

#### Typological Analysis:

The BC TRY System of Cluster and Factor Analysis was used to obtain clusters of individuals with similar score profiles on the two dimensions of adaptive behavior. The first step of this method is to compute factor scores for each individual on the two dimensions using orthogonal regression estimates. The method then allocates all individuals to natural clusters of individuals by the iterative process on the bas is of the Euclidean distance between the individuals. The objective of this procedure is to classify a large number of individuals into a smaller number of clusters. In each cluster, the individuals have a similar profile of scores across the given number of dimensions. The procedure is designed to establish empirically determined behavioral typology by separating all individuals into a number of functionally homogeneous groups.

In the present study, the final solution allocated the subjects into seven distinct sub-groups, with the exception of 20 individuals. The score profiles of these 20 individuals were so deviant that they could not be classified into any of the seven empirically derived sub-groups.

In Table 1, the first column is a list of the seven sub-groups; the second column lists the number of individuals allocated to each of



4

the seven sub-groups; the third and fourth columns list means and standard deviation of factor scores for each of the sub-groups. The factor scores are expressed in terms of Z-scores having a common mean of 50 and a standard deviation of 10. Figure 1 is a graphic illustration of the means of sub-groups in profile form. If one locks at the distribution of means of Personal Independence, he will see three distinct groups instead of seven sub-groups. Sub-groups 1 and 2 being lower range; sub-groups 3, 4, and 5 being middle range; sub-groups 6 and 7 being higher range.

If you observe the distribution of Mean I.Q. in Table 1, it is obvious that Personal Independence is moderately correlated with I.Q. dimension.

Each of the seven sub-groups has a unique pattern of profile in the two dimensional system of classification. For example, the sub-groups 3, 4, and 5 are about equal level on Personal Independence, yet they have widely different mean scores on the dimension of Social Maladaptation. Sub-group 5 has the highest mean score on Social Maladaptation indicating a high degree of personality and behavior disorders. This result seems in agreement with a separate psychiatric diagnosis. In the last column of Table 1, it can be seen that 33.9% of the individuals in sub-group 5 have been previously diagnosed as having "psychiatric impairment", which is a higher incidence than in any of the other sub-groups. The psychiatrically impaired individuals consist of those who were classified as having "Behavioral reaction", "neurotic reaction" or "psychotic reaction"



according to the AAMD classification manual. These psychiatric diagnoses were given independent of the ratings on the Adaptive Behavior Scale.

It should be noted that two additional profile types, i.e., low personal independence and high social maladaptation; and high personal independence and high social maladaptation were not identified in this analysis. The lack of low ability and high social maladaptation type is because some of the measures in social maladaptation, (e.g., anti-social, rebellious and untrustworthy behaviors) do pre suppose certain basic skills and abilities in physiological and language development and awareness of value of money, property and rights of others. It seems unlikely that the low-high profile type exists in any population. The lack of high-high profile type, i.e., high ability and high social maladaptation type, probably belong in correction agencies or prisons but not in the residential institution for mentally retarded.

Clinical meanings of these sub-groups remain to be explored.

It may or may not be related to other psychological, neurophysical or etiological variables. Table 2 presents a cross-tabulation of individuals in terms of AAMD medical classification and the seven sub-groupings. This is an attempt to explore the possible correspondence between the behavioral typology and etiological diagnosis. Information concerning the medical classification was available for only 494 individuals at the time this study was conducted.



Medical classification is presented in terms of five major categories:

1) Mental retardation due to pre and postnatal cerebral infection

(110, 120), prenatal injury (310), Mechanical injury at birth (320),

Anoxemia at birth (330), and Postnatal injury (340); 2) Mongolism

(640); 3) Mental retardation due to congenital cerebral defect (610),

cranial anomaly such as craniostenosis, Hydrocephalus, Macrocephaly

(620), and due to other unknown prenatal influences (690); 4) Mental

retardation due to uncertain cause with the structural reaction

manifest (780, 790); 5) Functional mental retardation, specifically,

cultural - familial \*810), mental retardation associated with major

personality disorder such as autism (840) and, mental retardation due

to unknown cause with the functional reaction (890).

The overall Chi Square of Table 2 is highly significant (Chi Square = 78.68; o(<.001). Figure 2 indicates the degree of contribution of each cell to the total Chi Square in Table 2. For example, the degree of positive association between Group 1 and the etiological classification 4 is indicated by the cell Chi Square value of 11.2. The degree of negative association between Group 5 and the etiological classification 1 is indicated by the cell Chi Square value of 4.5.

Two most significant contributions to the overall Chi Square value come from 1) the association between Profile group 3 and Mongolism, etiological classification 2; and 2) the association between Profile group 1 and the etiological classification 4, i.e., mental retardation due to postnatal disease and conditions where the structural reaction is manifest but where the etiology is unknown or uncertain.



Profile group 3 has exceptionally high (24%) of Mongolism as compared to other etiological classifications. In fact, about 40% of the cases of Mongolism are classified to Profile group 3. A behavioral profile of this group can be characterized as moderately ability and very low social maladaptation. This profile patterns seems to coincide with the commonly accepted picture of Mongologies as having amicable personalities at moderate or severe levels of intellectual retardation.

Profile group 1, low ability and low social maladaptation, is a behavior pattern of profoundly retarded individuals. This profile group is also associated with etiological classification 1, i.e., pre and postnatal infection and trauma.

Profile group 2, low ability and medium degree of social maladaptation, is associated with the etiological classification 3, i.e., various congenital cerebral defects of undetermined etiology, and cerebral defects associated with cranial anomaly such as craniostenosis, hydro and microcephalus.

Profile group 4, medium-medium group, seems to be associated with the etiological classification 3 but, associated negatively with the etiological classification 4, i.e., the postnatal disease and conditions where the structural reaction is manifest but where the etiology is unknown.

Profile groups 5 and 6, i.e., medium-high and high-low groups, are both associated with the etiological classification 5, i.e., functional retardation. Furthermore, Profile group 5 seems to be negatively

associated with the pre and postnatal infection and trauma, the etiological classification 1.

Profile group 7, high-medium group, does not seem to have notable association with any of the etiological classifications.

#### Conclusion:

The crudeness of etiological categories used in this analysis may have obscured the existing relationship. However, there are some trends which suggest a possible relation between the behavioral typology and etiological classification.

What ever the clinical meaning of the behavioral typology, the fact remains that themember of each sub-group is functionally homogeneous in terms of the two dimensional measures of adaptive behavior. The existence of these different behavior types seems to suggest a need for differential rehabilitation programs. Most of the behavior modification programs are based solely upon the functional analysis of behavior patterns of the individual subject. In the past we have not given a sufficient attention to the differential responses between the subjects to a given behavior modification program. The development of refined behavior typology and its relation to other psychological, neurophysiological, and etiological variables may offer fruitful hypothesis in the formulation and evaluation of training and rehabilitation programs.



U.S. DEPARTMENT OF HEALTH, EDUCATION

PERSON-CLUSTERS IN TWO DIMENSIONS OF ADAPTIVE BEHAVIOR

Table 1

THIS DOCUMENT HAS BEEL EXACTLY AS RECEIVED FROM ORGANIZATION ORIGINATING VIEW OR OPINIONS STATED SARILY REPRESENT OFFICIAL CATION POSTITION OR POLICY.

		•
Psychiatric Impairment	•	112 1172 1173 1173 123 123 123 123 123 123 123 123 123 12
Mean I.Q.		13.44 13.44 13.54 13.05 13.05
Mean Age	•	33.33.33.33 33.35.5 4.5.5 4.5.5 5.5 5.5 5.5 5.5 5.5 5.5
Homogeneity Index	. •	? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?
Sociaí Maladaptation	Means SD	14.3 56.1 4.9 13.8 2.8 72.7 5.9 14.1 2.9 57.6 4.9
Personal Independence	Means SD	38.7 3.0 35.0 3.7 51.0 3.3 47.4 3.2 49.1 6.0 61.2 3.3 59.9 3.5
	, ¤	199 67 161 114 59 236 95
	Behavioral Typology	Group 1 Group 2 Group 4 Group 5 Group 6

Group S Group I Group droup ε 9 τ Groap 4 quord ≤ dnoxĐ Group Group 4 S quord 7 quord o quorb 7 quorb ≤ anox9 Maladaptation Independence

LIGNEE I

Social



Personal

TABLE 2

	AAMD			Behavio	ral Typo	logy			
Et	iologica <b>l</b>	Group	Group	Group	Group	Group	Group	Group	Total
<u>Cla</u>	ssification	11	2	3	4	5	6	7	
1.	Infection Trauma	31	9	15	16	2	14	6	93
2.	Mongolism	9	4	21	3	5	5	4	51
3.	Congenital Cerebral Defects	8	6	4	8	1	4	0	31
4.	Structural Reaction Manifest	21	2	5	1	1	6	4	40
5.	Functional Reaction Alone	53	15	39	30	32	66	25	260
	Total	122	36	84	58	41	95	39	475

Chi Square = 78.68 ( < ⟨.001)

<sup>5.</sup> Cultural-familial retardation, M.R. associated with major personality disorder, and other due to uncertain cause with factional reaction alone manifest (AAMD 81, 84 and 89).



<sup>1.</sup> Prenatal and postnatal infection, trauma or mechanical injury at birth (AAMD \*\*\* パルス きょうこうこうこう (AAMD \*\*\*) パルス きょうこうこうこう

<sup>2.</sup> Mongolism (AAMD 64)

<sup>3.</sup> Congenital cerebral defect, cerebral defect associated with primary cranial anomaly, and other due to unknown prenatal influence (AAMD 61, 62, and 69)

<sup>4.</sup> Encephalopathy associated with prematurity, and other due to uncertain cause with structural reaction manifest (AAMD 78 and 79)

		· ·	• • •	*	Chi Square for Individual Cells	
-	: : :: :: :: :: :: :: :: :: :: :: :: ::				Gir Square for individual Certs	
	*: *				10	
						. <del>-</del>
			Group 7	High Med		
			Group 6	High Low		
			ŭ	田日		 -
			d n			 <u>.</u> .
			Group	Med High		
		Behavioral Typology	Group 4	Med Med		. : 
	Figure 2	l Typ				
	Figi	viora	Group 3	p <sub>s</sub>		
		Beh	۳ <del>ق</del>	Med		
			Group 2	Low		:
			1			
			Group	Low		
			Ö			
				ep.		:-··
				nal Indep. Maladapt.	ological ssificati Class 4 Class 1 Class 2 Class 5	
				Personal Indep. Soc. Maladapt.	Etiological Classification Class 4 4 Class 3 0 Class 2 0 Class 5 A Class 5 A	
				Pe		1
	<u> </u>					
	ERIC"		-			شده و أ ي

## APPENDIX B

II. Physical Development

	4.	₹ -		~ v	4	•		-	w·	*		n w				9	S	7	4 4	•	4	9 179	(1)	. 🗢		. 9		^	~		'		
																	٠.							_		٠.							
						•						•									-	•••		•	•								
																	٠.													•	٠,		
																	•																
																	•													-		•	
																																٠.	
																									•				_			-	
					٠.																	Redding' Understanding Instructions		=		•			Number and Time Concept (general)				
								5	1													#		era					je j				
								. 5		•							log					캶	•	Jen			•	•	۳				
					:			Money Randling and Budgeting	ğ								Primitive expression	Clarity of speech				=		Language Development (general)		2.			g			Room cleaning Clothes cleaning	
	ent		_	Body balance	, P			ק	Money handling			_				5ur	ХĎ	8 pc				H H	5	mer					ខ្ល			Room cleaning Clothes clean	
	ద	_	5	llan	i i	<u> </u>		7	han	5u		inc				Ĭ.	- é	ŏ	Ses	Ē	_ :	ran .	atic	ol	ept	ŧ	<b>5</b> .		9			5 G	
	je E	Hearing	2	Body balance	Hand contro!	Spasticity		-	ě	Budgeting	ij.	Errands Purchasing		ent	-	g and W Writing	Ĩ	it,	Sentences	3	ion	Reaging" Understa	rera	eve	ouc	Ş	2	Ħ	Ē	2	•	e S	
	Devel	Ica	Ņ	bg 5	E E	ž	≥	5	No.	ğ	š	er y	i	пďо		ים א איז איז	ŧ	E	len	Š	eus	ag pe	150	e C	Ö	٤	3 .	nce	and	est	-	88	
	Sensory Development 1. Vision		Motor Development			מ	3	μ •	; <del>~</del>		Shopping Skills	щи		Ş.	٠.	Speaking and Writing		•		-	Comprehension		Social Conversation	ğer	Ē	Number Concept	5	Time Concept	er	E O	Cleaning		
	na Su		- <del>2</del>				Şç	į			ПO		, -	De		g G				_	T C	: _	g	ıbu	2	Ė		æ	ray Tab	Ę	lea		
	 S-	2	Σ	.; ·	, m <	÷	afc a	2	:	2	ö.	~	i	390	•	V	0	က်	4, 0	Ď.	Ō٠	.; %	ૹ	.3	8	. 2	4	F	Z	atte	Ö	- ~	
	•						Economic Activity							Language Development		٠.'									Number and Time Concept	•				Occupation Domestic		2.5	•
	ė.		ei ei			٠.	22	4			В.	•		Ę		ď	- ,			•	E		ပ်	Ω	Ž	4	Ė	œ,	ပ်	ö	Ä		
												٠.:				٠.	. :"		٠.				• .		3								
							ij							≥			, .								>	1		<i>.</i> '.		Ķ.		•	
										٠.																					. :		
												٠									٠.,					•							٠,
			٠	. :								•	•				٠.	. •				•				: ".	i.,			. · .			
												. :			: .			•									٠.,					•	٠
				٠										<u>.</u>	<b>-</b>				· .			د در دخت										. : :	
					٠.										•.			Ċ	1							- 4							
	. •										•																•	: -					
				βĮ	•							٠.					î H			di.	٠,									- 4			
		•		ĮĮ.												·			٠.	•					٠.			•					
				핆			۲.	<b>.</b> 4	יט		ı,	٠.	•	~		, u					7	'n		ດດ		~ ₹	4		4	7			
				No. of Items			٠.		٠.			٠.					:														٠.,	-	
				21																													
				•										1		•										1.1			٠	•	٠		
	<u>@</u>	٠						-																			٠.			2			
	Ē										٠.			•				. :			•								•	i i	٠.		
	Ę,			•													٠.		٠.			٠.				.•		٠,		ž			
	İŝŧ																	•						•		-	_			3	٠.	:	
	. H														٠.	1					•					٠.	Use of public transportation			Miscellancous independent tunctioning (general)			
	þec													ace.	띂	٠		٠,		D	α,		-				rta	ğ	•	and S	:-		
=	ő			٠.	1.									Washing hands and face	Prepares and takes bath		•			Posture Appearance of clothing	Hair style and makeup						S.	. 2		e b	٠,		
APPENDIX B	장	` <b>-</b>	:					U.	•					g,	ž	=				· 뎔	Ş		ğ			Sense of direction	ran.	500	힅.				
ž	cha	Part 1	]				Use of utensils	Esting in public Drinking	5		ng			nds	ᇢ. 芷	Keeps self clean	j i			ä	덜		sst			Sense of directive	i t	. E	Use of telephone	8			
5	6						ten	ď.	Table manners		Toilet training	ē		ha	Ę:	÷ 5	Menstruation			မ္မ	0	_	dre	_ gu		븀	Tqn	den	s)c	ğ _		•	
	<u></u>				, pr	•	ŋ.	Esting in Drinking	Ē	٠.	Ĕ.	Tollet care		Ing	res	Se	įį		:	igi.	8 t.y	Juli	ຣັ	Dressing Undressing		j j	. 4	90	£.;	Miscella (general)	•	. · ·	
	dep				τρ	115	ö.	בַּ בַּ	Pie Pie		# :	Ę	U)	ash	eba	eps	ens		اره	rosture Appeara	. 4	ţ	and	dre	Ģ	nse	9 9	þ	e.	isc			
	of A				unc	Ski	ອັ ເ	3 6	ιË	Use	Ę,	2	Cleanliness	⋛	d. :	¥ £	Ź		and	7 4	Ĕ	fG	5	ជីទី	Locomotion	Se	ë ອັ	-	Þ	20			
	5				F	Ę.				e	ŀ		anj						ear			é	551		Ë			er of					
	Summary of Adaptive Behavior Check List (Form 3)	•			den	Eating Skills	<b>.</b> : ,	, e	4.	Toilet Use		5.	ວິ		તં.	· ~			Appearance	;		Care of Clothing	Dressing and Undressing	. ~:	2		; ;;	General Independent Functionin		,			
	Sun				ben	щ			-	•		,	_		Ī				•			Ī			. •	•		_	-		:		
				•	independent Functioning								•						•						•				:		•	•	
						⋖		•		8		•	υ						Ω			М			G			. 🗷	•	٠			
					•									•						+ :						•	•	-			•		
,					. "																•				,	٠.					r		

404	7	•	3	4	5		co	8	6	c	9		4	4		4	4	4	4	4	2	9
				•						<b>,</b>						ż			•			
Kitchen Duties 1. Table setting 2. Table clearing 3. Food preparation	Occupation Domestic (general)	Occupation General	Work Fitness	Job Performance	Work Habits	Solf-Direction	Sluggishness in Movement (H-1)	Initiative (V-A-1 & H-2)	Persistence (V-A-2 & H-3)	Planning and Organizing (V-B)	Self-Direction (general)	Responsibilities	Responsibility for Personal Belongings	Responsibility (tasks)	Socialization	Is Cooperative	Is Considerate of Others	Has Knowledge of Those Around Him	Interaction with Others	Participation in Group Activities	Is Selfish	Has Other Immaturities in Socialization
æ	. ເ	Occul	Ą.	æ,	ပ	Self-I	Ą.	ë.	ຜ	D.	ü	Respo	Α.	e e	Socia	Α.	ei Ei	ပံ	Ď.	ш	<u>.</u>	ö.
	•	VII.				VIII.						按			×	•						
																•						



,		Part II	·,		H. S	Self-Abusive Behavior	thavior		
÷	Viole	Violence and Destructive Bohavior			6	Dones Pl	Does Physical Violence to Self Damong or Toose Off them Physics	V 12	
	-i -	Threatens or Does Physical Violence	01	-	<b>.</b>	· velilove	of reals of own committees of reals	•	
	; <sub>e</sub> ;	Temper Tantrums	<b>5</b> 44		<u>.</u>	eculiar and Ec	Peculiar and Eccentric Habits	•	
	4.	Other Destructiveness	e e		C		Hes Peculiar or Unaccoptable Oral Habits		
æ.	Anti-	Anti-Social Behavior	•		ທີ່		has Peculiar of Unacceptable Habits Has Other Eccentric Habits and Tendencies	o vo	
•	· <b>.</b> :	Teases or Tattles on Others	20	,	J. S	Sexually Aberrant Behavior	nt Behavior		
			. دىد		•			•	
	, 4.	interieres with or Denbergiesy blocks Offices. Activities Is Inconsiderate of Others	v 4.		~		Engages in Inappropriate Masturbation Exposes the Body Indecently	<b>"</b> "	
	ທີ່	Does Not Respect Others' Property Uses Profane of Hostile Language	<b>ਰ</b>		e, 4.		Has Homosexual Tendencies Has Heterosexual Behavior that is Socially Unacceptable		
ပ်		Rebellious Behavior	•	-	×.	Psychological Disturbances	)Isturbances		
	ä	Ignores Regulations or Regular Routines	9	•		. Tends t	Tends to Over-Evaluate his Own Abilities	, m	
	· ·				~ (		Reacts Poorly to Criticism	₹.	
	. 4.	Is Absent From or Late to School, Work Ward (Home)			એ <b>વ</b> ન		Reacts Poorly to Frustration Demands Excessive Attention or Praise	7 4	٠.
			4.4		שימיי		Seems to Feel Persecuted	φ.	
	•	Misbehaves in Group Setting			P 1.	Has Ot	Has Other Signs of Emotional Instabilities	° 2	
ö	Untru	Untrustworthy Behavior	•=	-	ī. S	Supplementary Information	information	,	
	2.	Takes Others' Property Without Permission Lies or Cheats	4 to			Need fo	Necd for Medication	4	
ធ	Socia	Socially Unacceptable Manners							
	1.	Has Disturbing Vocal or Speech Habits Has Mannorisms that are Unpleas ant or Inappropriate	<b>40 60</b>	•			*		÷
r.	Withd	Withdrawal	-	* .					
		Is Profoundly Withdrawn and Inactive Is Profoundly Withdrawn but Active Is Socially Extremely Shy (X-G)	10.10.7						
ပ	Sterec	Stereotyped Behavior	•			•			
•	66.	Has Hyperactive Tendencies Has Stereotyped Behaviors Has Peculiar Posture or Odd Mannerism		•					
	:			•					

